

Patent Claims

- 5 1. Pigment composition for the pigmentation of plastics, characterised in that one or more flake-form effect pigments are mixed with an at least partially polar carrier material.
- 10 2. Pigment composition according to Claim 1, characterised in that the at least partially polar carrier material is a partially polar copolymer and/or a mixture of two or more waxes, where at least one of the waxes is polar.
- 15 3. Pigment composition according to Claim 1 or 2, characterised in that the proportion of effect pigments, based on the pigment composition, is from 60 to 85% by weight.
- 20 4. Pigment composition according to one of Claims 1 to 3, characterised in that the melting range of the carrier material is between 70 and 200°C.
- 25 5. Pigment composition according to one of Claims 1 to 4, characterised in that the at least partially polar carrier material is a mixture of montan waxes and derivatives thereof and amide waxes.
- 30 6. Pigment composition according to Claim 5, characterised in that the mixture of montan waxes and derivatives thereof and amide waxes is in the ratio from 1:2 to 2:1.
7. Pigment composition according to one of Claims 1 to 6, characterised in that the copolymer is selected from the group consisting of the copolymers and terpolymers with vinyl acetate, acrylate or acrylic acid comonomers, polyvinyl alcohol copolymers, polyvinyl ether copolymers, polyvinylpyrrolidone copolymers, polyethylene oxide copolymers, acrylo-

nitrile copolymers, methyl methacrylate copolymers, polyacetal copolymers, polyamide copolymers and/or polyurethane copolymers.

- 5 8. Pigment composition according to one of Claims 1 to 7, characterised in that the copolymer is an ethylene-vinyl acetate copolymer or ethylene-acrylic acid copolymer.
- 10 9. Pigment composition according to one of Claims 1 to 8, characterised in that the flake-form effect pigment is a pearlescent pigment, metal-effect pigment, multilayered pigment having transparent, semi-transparent and/or opaque layers, holographic pigment, BiOCl pigment and/or LCP pigment.
- 15 10. Pigment composition according to one of Claims 1 to 9, characterised in that the pigment composition additionally comprises additives and/or auxiliaries.
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- 20 11. Process for the preparation of a pigment composition according to Claim 1, characterised in that one or more flake-form effect pigments are mixed with an at least partially polar carrier material with inflow of heat.
- 25 12. Process according to Claim 11, characterised in that the at least partially polar carrier material is a partially polar copolymer and/or a mixture of two or more waxes, where at least one of the waxes is polar.
- 30 13. Process according to Claim 11 or 12, characterised in that the mixing of the one or more flake-form effect pigments with an at least partially polar carrier material is carried out in solution or by melting.
14. Process according to one of Claims 11 to 13, characterised in that the mixing of the one or more flake-form effect pigments and the at least

partially polar carrier material is carried out at temperatures in the range from 70 to 240°C.

5 15. Process according to one of Claims 11 to 14, characterised in that additives are additionally added to the mixture of flake-form effect pigment and carrier material.

10 16. Use of the pigment composition according to Claim 1 for the pigmentation of plastics and for the production of masterbatches.

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